

STAFFORD COUNTY SCHOOL BOARD

Agenda Consideration

TOPIC: HVAC Operating Systems
Upgrade: Select Schools

ITEM NO: 10M

PREPARED BY: Stacy Gentry
Supervisor of Physical Plants
Operations & Maintenance

MEETING: June 20, 2006
ACTION DATE: July 11, 2006

Andrew F. Hicks III
Director of Operations & Maintenance

André Nougaret
Assistant Superintendent for
Support Services

ACTION REQUESTED BY THE SUPERINTENDENT: That the School Board approve the purchase for installation of a HVAC Operating Systems - select schools in the amount of \$240,088.00 to Dominion Energy Management, 11250B Hopson Road, Ashland, VA, 23005.

KEY POINTS:

- The operating systems that control heating and air conditioning in our schools and offices are essential to maintaining a comfortable workplace and optimal learning environment. These systems allow the technician to monitor temperature, equipment start-up and shut-down and various critical system functions.
- The current Invensys operating system installed in a number of schools is outdated and in need of an upgrade. It was originally supported by several vendors and now cannot be fully supported. The proposed new system utilizes Microsoft Windows which enjoys excellent support options.
- The current Invensys operating system utilizes telephone lines for communication from the school/worksites to a central host computer/laptop. Telephone line utilization has become increasingly unreliable. The proposed new system will utilize the LAN (Local Area Network).
- The current Invensys operating system utilizes a "host" software package which resides on a central computer within the Maintenance/Operations Department. The proposed new system has one "host" software package which can be accessed via the internet.
- The proposed new system will include two universal software protocol languages: LON and BACnet. These languages will facilitate more efficient communication with building equipment (lighting, chillers, boilers, etc.)

- The following schools/worksites will have the operating system upgrade:

Hartwood	\$33,900
Hampton Oaks	\$37,500
Falmouth	\$18,300
AYB	\$12,500
Stafford Middle	\$44,000
Stafford Elementary	\$18,300
Moncure Elementary	\$19,626
Ferry Farms Elementary	\$36,700
Grafton Village Elementary	<u>\$19,262</u>
Total	\$240,088

- Dominion Energy Management is a sole source vendor for this particular upgrade.

SCHOOL BOARD GOAL: Goal #7 – Provide school environments where teachers are safe to teach and students are safe to learn.

FUNDING SOURCE: FY 05 Carry-Over Funds (Health & Safety Priorities)
Approved by School Board March 28, 2006

AUTHORIZATION REFERENCE: Policy 4-29 Emergency/Small/Sole Source Purchases
February 2006